

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 62296 - L2 Version 4

Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

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# 1 Front

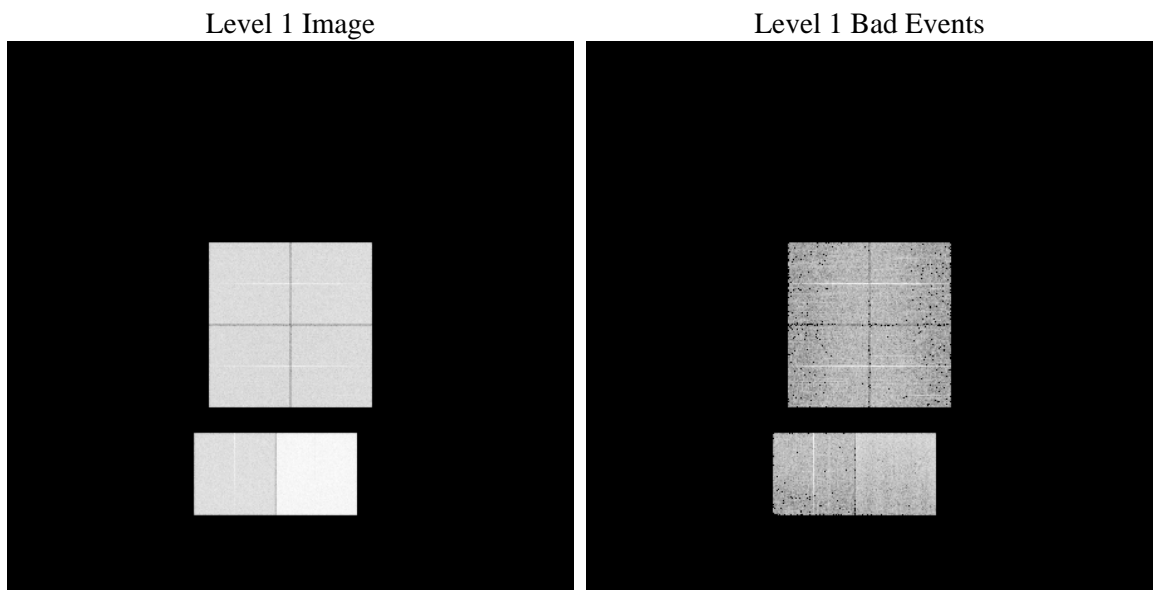
seq_num	&#160	Sequence number
obs_id	62296	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	25.527763363288	Nominal RA
dec_nom	-51.018043856378	Nominal Dec
roll_nom	325.13482439531	Nominal Roll
revision	4	Processing version of data
ontime	4991.8595982864	Sum of GTIs [s]
livetime	4928.649666316	Livetime [s]
ontime0	1942.0675040707	Sum of GTIs [s]
ontime1	2015.7058930248	Sum of GTIs [s]
ontime2	1843.9717029631	Sum of GTIs [s]
ontime3	1892.4231629893	Sum of GTIs [s]
ontime6	2123.5656047761	Sum of GTIs [s]
ontime7	4991.8595982864	Sum of GTIs [s]
l2events	1315230	Number of level 2 events



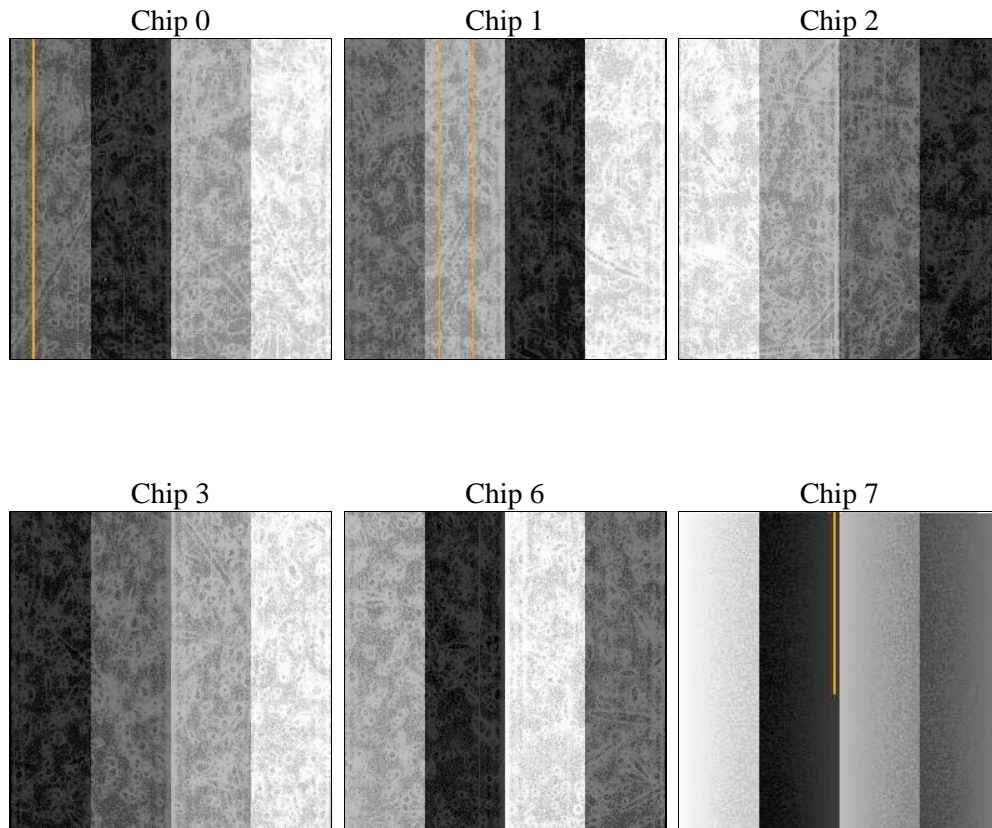
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias





### 2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.1.1	ASCDS version number	sched_exp_time	0.0
caldbver	4.1.4	&#160		Scheduled observation exposure time
date	2009-11-24T17:08:31	Date and time of file creation	ontime	4991.8595982864
revision	3	Processing version of data	ontime0	1942.0675040707
			ontime1	2015.7058930248
			ontime2	1843.9717029631
			ontime3	1892.4231629893
			ontime6	2123.5656047761
			ontime7	4991.8595982864
			l1events	1518010
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	196498	202929	187158	193090	221913	516422	grade 0 events	63770	65089	51606	54903	53812	86083
rejected events	26954	26536	27030	27723	31750	48998		32%	32%	27%	28%	24%	16%
rejected %	13%	13%	14%	14%	14%	9%	grade 1 events	269	276	181	244	233	204
								0%	0%	0%	0%	0%	0%
							grade 2 events	62778	66273	69556	70015	88078	131321
								31%	32%	37%	36%	39%	25%
							grade 3 events	6872	7054	5339	5708	5569	40392
								3%	3%	2%	2%	2%	7%
							grade 4 events	6870	7056	5225	5691	5463	36857
								3%	3%	2%	2%	2%	7%
							grade 5 events	1665	1695	1596	1667	1781	7155
								0%	0%	0%	0%	0%	1%
							grade 6 events	29520	30921	28402	29050	37533	173047
								15%	15%	15%	15%	16%	33%
							grade 7 events	24754	24565	25253	25812	29444	41363
								12%	12%	13%	13%	13%	8%



## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	25.52776336328766	Alternating exposures requested	N	N
Pointing Dec	0	-51.01804385637848	Primary exposure time	3.2	3.2
Pointing Roll	0.0	325.1348243953125			
SIM focus pos (mm)	-0.782348	-1.038866356238299			
SIM defocus (mm)	0	0.4944702831659975			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	60126890.672299	60126889.903766			
Observation start date	1999-11-27T21:54:51	1999-11-27T21:54:49			
Observation end time	60136691.722655	60136690.95412			
Observation end date	1999-11-28T00:38:12	1999-11-28T00:38:10			
Read mode	TIMED	TIMED			



## 2.3 Star Slots

## 2.4 FID Slots



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9918595982864

## A.2 Comments

This observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the 1999-09-16 through 2000-01-28 period. This reprocessing of the data applies no CTI correction because none is available for that temperature.